

1000 BASE-T MAGNETICS MODULES

Designed to Support 1:1 Turns Ratio Transceivers



- 1) Designed for long haul Gigabit Ethernet 1000BASE-T full duplex applications .
- 2) Supports 4 pairs of category 5 UTP cable .
- 3) Cable interface for isolation and low common mode emissions .
- 4) Compliant with IEEE 802.3ab standard for 1000 Base-T.
- 5) Minimum 1500Vrms isolation per IEEE 802.3 requirement
- 6) IC grade transfer-molded package withstands 245°C peak temperature profile

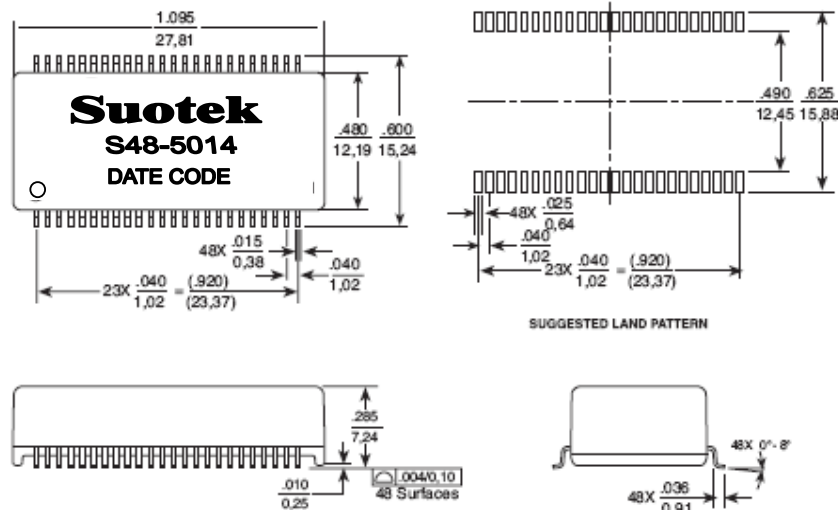


Electrical Specifications @ 25°C --- Operating temperature 0°C To 70°C .

Part Number : S48-5014

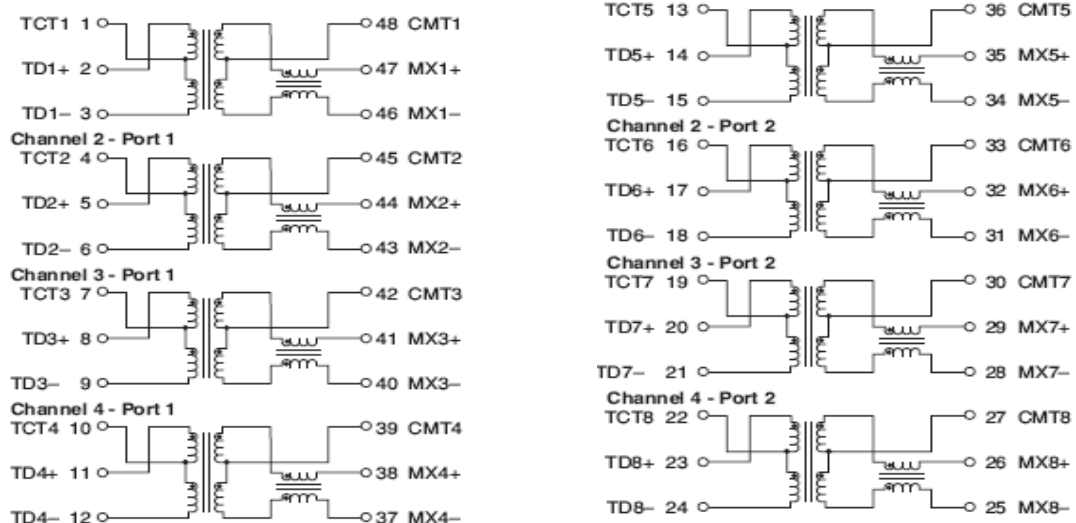
Insertion Loss (dB Max.)	Return Loss (dB Min.)			DCMR (dB Min.)			Crosstalk (dB Min.)			OCL (8mAdc bias)	LL (Max.)	Cww (Max.)	DCR (Max.)	Hi pot (Min)
1~100MHz	30MHz	60~80MHz	100MHz	30MHz	60MHz	100MHz	30MHz	60MHz	100MHz	100KHz, 0.1V	100KHz, 1V	100KHz, 1V	25oC	0.5mA 60sec
-1.4	-16	-12	-10	-45	-40	-35	-44	-38	-33	350 uH Min.	0.4 uH	30 pF	0.7&1.2 ohm	1500Vac

Mechanical Dimensions (Unit: inches / mm)



Unless otherwise specified , all tolerances are +/- .010 / 0.25

Schematics



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